

CLAIMS

1. A receiver for a spread-spectrum telecommunication system, the receiver including:
 - a first receiver (16) with at least two demodulation channels (20-1, 20-n) and a first combiner (22) receiving the demodulated signals supplied by the demodulation channels;
 - a second receiver (18) with at least two demodulation channels (24-1, 24-n) and a second combiner (26) receiving the demodulated signals supplied by the demodulation channels; and
 - a third combiner (28) receiving the signals supplied by the first and second combiners,
 - reception by means of the first receiver and reception by means of the second receiver being effected by despreading using the same code for despreading.
2. The receiver according to claim 1, characterized in that the time difference between the recombination window of the first receiver and the recombination window of the second receiver is greater than 30 μ s.
3. The receiver according to claim 1 or claim 2, characterized in that the recombination window of the first receiver and the recombination window of the second receiver cover a time span of at least 50 μ s.
4. A telecommunication system including:
 - terrestrial repeaters and a complementary source;
 - a receiver according to claim 1.
5. A method of receiving signals coded by spectrum spreading in a telecommunication system including terrestrial repeaters and a complementary source, the method including:
 - providing a terminal with a first rake receiver (16) and a second rake receiver (18);
 - receiving at least signals (2) coming directly from the complementary source by means of the first rake receiver (16); and
 - receiving signals (4, 6, 8, 10) coming from at least one terrestrial repeater using the second rake receiver (18), reception by means of the first receiver and reception by means of the second receiver being effected by despreading using the same despreading code.
6. The method according to claim 1, characterized by a step of combining

signals received by means of the first rake receiver (16) and signals received by means of the second rake receiver (18).